

# Converting Colors

Hex(4735E2)

Have a look what the booklet for  
Hex(4735E2) contains.

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# Color

Hex(4735E2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4735E2
RGB	71, 53, 226
RGB Percent	28%, 21%, 89%
CMY	0.7216, 0.7922, 0.1137
CMYK	0.69, 0.77, 0.00, 0.11
HSL	246°, 75%, 55%
HSV	246°, 77%, 89%
XYZ	17.5991, 9.3768, 72.8338
YIQ	78.1040, -44.8050, 57.6190

# Conversions

## Conversions Part 2

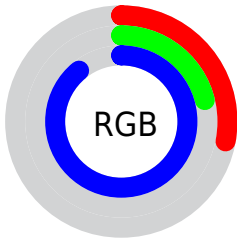
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	71, 53, 226
Decimal	4666850
CIE Lab	36.70, 57.83, -84.05
CIE LCh	37, 102.024, 304.529
Yxy	9.3768, 0.1763, 0.0939
Android (android.graphics.Color)	4282856930 (0xFF4735E2)
YUV	78.1040, 72.9127, -6.2302
Hunter-Lab	30.6215, 49.0015, -119.5872

# Details

The Hex color **4735E2** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **D0E235**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **8B67FF**, and **0000A9** is the 20% darker color. If you saturate the color by 10%, you get **331EE2**, and if you desaturate by 10%, it is **5B4CE2**.

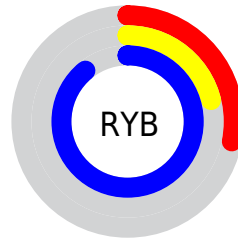
# Distribution



 Red (28%)

 Green (21%)

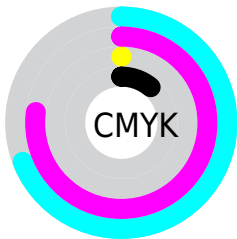
 Blue (89%)




 Red (28%)

 Yellow (21%)

 Blue (89%)

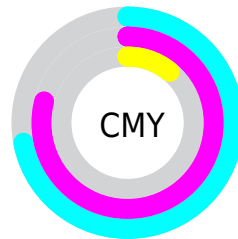


 Cyan (69%)

 Magenta (77%)

 Yellow (0%)

 Black (11%)



 Cyan (72%)

 Magenta (79%)

 Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4735E2 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 4735E2 by changing the saturation by 10% instead.



 4735E2

 4735E2

FFFFFF

 121CC5

 8B67FF

 0000A9

 AB82FF

 00008E

 CA9CFF

 000073

 E9B8FF

 000C59

 FFD4FF

 000741

 FFF1FF

 00032A

 000114

 000000

■ 4735E2

■ 4735E2

■ 331EE2

■ 5B4CE2

■ 1F08E2

■ 6F62E2

■ 1800E2

■ 8479E2

■ 988FE2

■ ACA6E2

■ C0BDE2

■ D5D3E2

■ E9EAE2

■ FDFFE2

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0061FF



4735E2



BA009F

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



4735E2



9F3000



007262

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



4735E2



D0E235

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



006F00



4735E2



5F5800

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



4735E2



CB0000



006900



0073B4

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



4735E2



D50069



006900



007144



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



4735E2



CAC4FF



35D1E2



605C80



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



4735E2



2D14FF



9D35E2



666570



1200B0



050030



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



E235D0



FF14E7



7AE235



70656F



B0009E

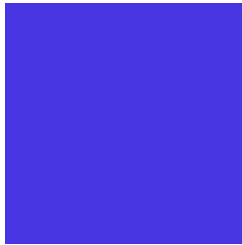


30002B



# Previews

## White Background



This preview shows how the Hex color 4735E2 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4735E2 Background



This preview shows how black text looks on a background with the Hex color 4735E2.

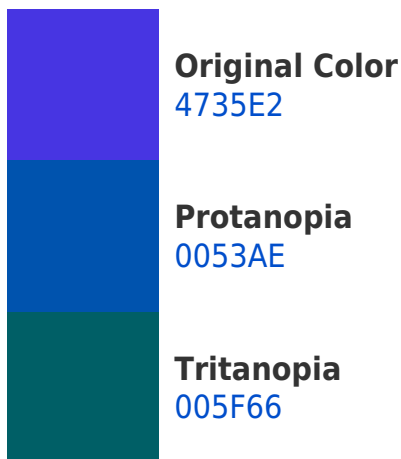


This preview shows how white text looks on a background with the Hex color 4735E2.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



# Trichromacy



**Original Color**  
4735E2

**Protanomaly**  
1A48C1

**Tritanomaly**  
1A5093

# Monochromacy



**Original Color**  
4735E2

**Achromatopsia**  
4E4E4E

**Achromatomaly**  
4B4584

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4735E2 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #4735E2 looks like.

```
.text, #text, p{  
    color:#4735E2  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #4735E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4735E2
}
```

## Border

The CSS property to change the border of an element to Hex 4735E2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

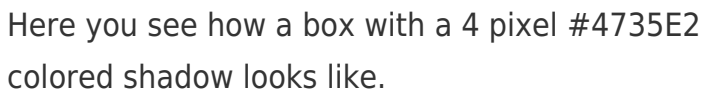
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4735E2 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#4735E2 }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel #4735E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4735E2; -webkit-box-shadow:4px 4px  
4px 4px #4735E2; box-shadow:4px 4px 4px  
4px #4735E2 }
```

# Background

The CSS property to change the background color of an element to Hex 4735E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4735E2 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#4735E2 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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